



MICHELLE MICHOT FOSS, PH.D.

Dr. Michot Foss has been an analyst of U.S. and foreign energy and non-fuel resource development and environmental issues for nearly 20 years. She was named Director of the CBA Energy Institute on July 1, 1995. The Institute is engaged in scholarship and education targeting business and public policy issues associated with commercial energy development worldwide. Dr. Michot Foss conducts research on the political economy of energy, writes frequently on energy issues in Mexico, North America and other world regions and has advised and consulted to a number of U.S. and Canadian energy companies. Dr. Michot Foss is a Shell Interdisciplinary Scholar and project coordinator for two Institute-led studies funded through a special program established at UH by the Shell Oil Foundation. Most recently completed is *North American Energy Integration*, a comprehensive investigation of continental natural gas and electricity policy and regulatory coordination and market convergence in light of industry trends and the North American Free Trade Agreement. Currently, the Shell team is engaged in *Best Practices in Energy Sector Reform*, which targets oil and gas upstream developments and the pipeline interface. Best Practices is a feasibility study to develop methodologies for cross-national evaluations, with case studies in the feasibility stage on Russia/Kazakhstan and Mexico/Venezuela (U.S./Canada baseline). Previously at UH, Dr. Michot Foss was the Shell Graduate Fellow at the Center for Public Policy and also served as coordinator of the Natural Gas Project (NGP), established by Dr. Ken Lay, CEO and Chairman of the Board of Enron Corp. and Mr. Jim Kettleson, former CEO of Tenneco Gas, and now part of the Energy Institute. Dr. Michot Foss led a research effort on natural gas markets in Mexico, which included two conferences, a workshop in Mexico, and production of two working papers for the NGP. Her article, "The Economics of Natural Gas in Mexico -- Revisited" with Francisco Garcia and William A. Johnson, was commissioned for a special edition of *The Energy Journal* on "North American Energy After Free Trade." in 1993.

In 1989-90 Dr. Michot Foss was director of research at Simmons & Company International, investment bankers specializing in oil services. At Simmons & Company, Dr. Michot Foss analyzed petroleum market and oil field service trends and outlooks for financial transactions. At Rice Center, 1985-1989, Dr. Michot Foss was director of research for the Jesse H. Jones Center for Economic and Demographic Forecasting. She managed production of semiannual regional forecasts, energy market and national economic assumptions, semiannual forecast symposia for public audiences, and client-specific studies. Dr. Michot Foss spent the previous three years with the Energy and Minerals Field Institute at the Colorado School of Mines, which conducted summer field seminars on western U.S. resource development for federal officials, congressional staff, journalists and educators. The EMFI incorporated conventional energy technologies, alternative fuels projects such as oil shale and coal gasification, and environmental and socioeconomic issues. In 1983 the EMFI received the International Association of Business Communicators Gold Quill award for excellence. At CSM, the Overthrust Industrial Association, a consortium of oil and gas operating and service companies, funded research conducted by Dr. Michot Foss on the socioeconomic effects of natural gas development in southwestern Wyoming. Dr. Michot Foss also conducted a study of bauxite trade and development in Indonesia during a short-term expatriate residence in Sumatra in 1982. From 1977 through 1981 she worked on environmental and market research studies for a variety of natural resource projects, including coal, uranium, lead/zinc, oil and gas in the Rocky Mountain states and for the Altamira industrial port near Tampico,

Tamaulipas (Mexico) and on editorial review at Texas A&M University for an industry-funded oil spill research program headed by Dr. Jerry Neff (Batelle Labs), which included publication of two books on aquatic and marine hydrocarbon effects; and environmental studies for an electric power generating station on Trinity Bay, Texas.

Dr. Michot Foss frequently publishes and speaks on energy and natural resource topics; is vice president for conferences, International Association for Energy Economic; is a past vice president for the U.S. Association for Energy Economics, affiliate to the IAEE; is program co-chair for the 18th annual North American Conference of the USAEE/IAEE in Albuquerque (1998); is a member of the Board of Editors for *The Energy Journal*; serves on the Petroleum Industry Advisory Board for the University of Southwestern Louisiana; is on the Technical Program Committee for the World Energy Congress in Houston (1998), for which a special program will be held at UH for international students attending the WEC; and is active in other professional and cultural organizations. She holds a B.S. in biology, geology minor, from the University of Southwestern Louisiana; an M.S. in mineral economics from the Colorado School of Mines; and a Ph.D. in political science from the University of Houston. She is a native of Lafayette, Louisiana.

SELECTED PUBLICATIONS

Energy: Industries, Policy, Strategy, book manuscript under development with Mr. Clive Jones, C.B.E., consultant (former director, European Energy Charter) and member, Institute Advisory Board.

U.S. Natural Gas in the 21st Century...Adjusting to the New Reality, book manuscript in preparation.

North American Energy Integration: The Prospects for Regulatory Coordination and Seamless Cross-Border Transactions of Natural Gas and Electricity, with Joseph A. Pratt, Cullen Professor of Business and History; Gary Conine, UH Law Center; Alan Stone, UH Department of Political Science; and Robert Keller, UHCBA Department of Management, CBA Energy Institute White Paper, May 1998.

“Worldwide Transitions: Energy Sector Reform and Market Development,” *Natural Resources and Environment*, ABA Section, Natural Resources, Energy and Environmental Law, Spring 1998.

“LPG Markets in Mexico: Analysis, Issues and Cross-National Comparisons,” *Proceedings* of the 18th annual North American Conference, USAEE/IAEE, San Francisco, September 7-10, 1997.

“How Many Regulators Do We Need?” editorial article commissioned by *Gas Daily's NG*, June/July 1997.

Asian Oil & Gas: Megatrends, Balance and Geopolitics A Closer Look at China by Xiaojie Xu, Petroleum Economics Research Center, China National Petroleum Corporation and Institute Research Fellow, with Dr. Michot Foss and Dr. Gürcan Gülen, Institute Research Associate, Current Studies on Business/Public Policy Issues in Energy, CBA Energy Institute White Paper, June 1997.

Guide to Electric Power in Texas with David Hitchcock, Center for Global Studies, Houston Advanced Research Center, March 1997.

LPG Markets in Mexico: Analysis, Issues and Cross-National Comparisons, with Dr. Francisco García H., Associate Researcher, Centro de Estudios Estratégicos, Instituto Tecnológico y de Estudios Superiores de Monterrey (CEE/ITESM) and Institute Faculty Member, Gerald T. Westbrook, TSBV Consultants and Institute Senior Associate, and Jacqueline Campos, Petroleo Brasileiro, S.A., Current Studies on Business/Public Policy Issues in Energy, CBA Energy Institute White Paper, August 1996.

"Latin American Opportunities: How to Approach Them," *Natural Gas*, August 1996.

"Mexico's Market Opening Aims at North America," *GasMatters*, London, U.K., May 1996.

"Prospects for Natural Gas Investment in Latin American: Lessons from the U.S.," commissioned by the *Oil & Gas Journal*, Revista Latino Americana (Spanish edition), January 1996.

Book review, *Competition in the Natural Gas Pipeline Industry: An Economic Policy Analysis* by Edward C. Gallick, 1993 for *The Journal of Energy and Development* 19(1): 138-146, Autumn 1995.

"Mexico Reconsiders Its Energy Options," *GasMatters*, London, U.K., May 1995.

"Energy and the Peso," *Geopolitics of Energy*, Canadian Energy Research Institute, March 1995.

"Mexico's Gas Reforms Hang on New President's Priorities," *GasMatters*, July 1994.

"Outlook for Mexican Gas Market Good, but not without Pitfalls," *Oil & Gas Journal* special report on *Mexico's Petroleum Future*, January 17, 1994.

"The Economics of Natural Gas in Mexico -- Revisited," with Dr. Garcia, CEE/ITESM and Dr. William A. Johnson, JECOR, *The Energy Journal* special edition, *North American Energy After Free Trade*, September 1993.

"The Free Trade Agreement and Natural Gas," p. 53-61 in *The Role of Natural Gas in Environmental Policy*, University of Texas Bureau of Business Research, 1993.

"The Economics of Natural Gas in Mexico," Dr. William A. Johnson, JECOR, *Proceedings of the IAEE 13th Annual North American Conference*, November 1991.

Western Energy Opportunities, Problems, and Policy Issues, with Dr. Janice Hepworth, 1982 and 1984 editions, Energy & Minerals Field Institute (EMFI) Colorado School of Mines.

A Public Affairs Handbook for Geoscientists, with Susan Landon, Jay Scheevel, D. Keith Murray, and Catherine Stewart, Rocky Mountain Association of Geologists, 1983.

"Geoscientists and the Politics of Taxation," *Mines Magazine*, March 1982.

SELECTED PRESENTATIONS

(* Upcoming.)

*"Mexican Energy Markets and Risk Management," Risk Management Conference, Miami, September 29-30, 1998.

**"Perspectives on the Oil and Gas Industries." Houston Society of CPAs Energy Workshop, Houston, August 20, 1998.

"How Global Energy Markets are Changing and What This Means for Houston," The Elizabeth D. Rockwell Discover UH Fund, May 12, 1998.

"First You Make a Roux: Recipes for Energy Sector Development," Petroleum Accountants Society of Houston Education Conference, Houston, June 5, 1998.

"North American Free Trade and Energy Integration," Symposium on Pacific Energy Cooperation-1998, Institute for Energy Economics, Tokyo, February 17-18.

"The End of the Oil Era (as We Knew It)?" Petroleum Accountants Society of Texas, January 15, 1998.

"Commercial Transitions in the Worldwide Oil and Gas Industries," Texas Society of CPA's 1997 *Oil and Gas Conference*, Houston, November 3-4, 1997.

LPG Markets in Mexico: Analysis, Issues and Cross-National Comparisons, 18th annual North American Conference, USAEE/IAEE, San Francisco, September 7-10, 1997.

"Market Transformation: Electricity and Gas in North America," CSC Exchange, Boston, June 9-11, 1997.

"Continentalization of the Energy Market: Breaking Down the Barriers," Canadian Association of Members of Public Utility Tribunals (CAMPUT) 11th Annual Education Conference, *Competition*, Whistler, British Columbia, May 4-6, 1997.

"Next Steps," *Mexico: Opportunities in Natural Gas Distribution*, First Conferences with Comisión Reguladora de Energía and Secretaría de Energía, Cancun, April 24-25, 1997.

“Perspectives on the Utilities Industries,” annual *Natural Gas, Telecommunications and Electricity Industries Conference*, Texas Society of CPAs, Austin, April 17-18, 1997.

Panel chair and speaker, “Regulatory Frameworks for Energy Development,” 20th International Conference, *Energy and Economic Growth: Is Sustainable Growth Possible?* IAEE, New Delhi, January 22-24, 1997.

Discussion paper for *Forecasting Oil Demand in Emerging Economies*, U.S. Central Intelligence Agency, McLean, Virginia, January 13, 1997.

Panel chair and speaker, *Texas-Mexico Border Energy Forum III*, Texas General Land Office, 1996, Monterrey, Nuevo Leon (Mexico), November 21-22, 1996.

“Global Gas and Electricity – Blending Investment and Policy Objectives,” presentation at the conference on *Energy: A World in Transition*, sponsored by the Basque Government, Ente Vasco de la Energía and The Economist Conferences, Bilbao, Spain, November 11-12, 1996.

“Global Gas and Electricity – Blending Investment and Policy Objectives,” Texas Society of CPA’s 1996 *Oil and Gas Conference*, Houston, November 7-8, 1996.

Chairman, co-plenary session, “Continental Energy Integration,” 17th Annual North American Conference of the USAEE/IAEE, *(De)Regulation of Energy: Intersecting Business, Economics and Policy*, Boston, October 27-30, 1996.

“Energy Regulation and Energy Development,” Petroleos Mexicanos (Pemex) Gerencia Juridica Unidad de Asuntos Internacionales, Primero Seminario de Especialización en Regulación del Sector Energetico, Mexico, D.F., October 11, 1996.

“Energy Utility Deregulation: Implications for Customers,” Federal Reserve Bank Facilities Managers Conference, Richmond, Virginia, September 18, 1996.

“The Political Economy of Natural Gas Distribution: Bypass in the U.S.,” 19th International Conference, IAEE, Budapest, Hungary, May 20-24, 1996.

“Internationalizing Gas,” conference on *New Opportunities in Global Gas Markets*, Gas Daily, Houston, December 6, 1995.

Session chair, “Natural Gas--A Clear Choice,” *Texas-Mexico Border Energy Forum II*, El Paso, November 16-17, 1995.

“Issues in Natural Gas Development: A U.S. Perspective,” seminar on *Mexico in Transition*, Natural Gas Association of Houston and CBA Energy Institute, Houston, October 17, 1995.

"Natural Gas in Mexico and Continental Integration," MIT Energy and Environmental Policy Workshop, Boston, October 5-6, 1995.

"Natural Gas Expectations in Mexico: A U.S. Analyst's Perspective," Primer Congreso Nacional de la Asociacion Mexicana para la Economia Energetica y Commemorativas del 30 Aniversario del Insituto Mexicano del Petróleo, September 6-8, 1995, Mexico D.F.

Presentations on natural gas in Mexico: Sixth Annual Rocky Mountain Natural Gas Strategy and Marketing Conference, Colorado Oil & Gas Association/Rocky Mountain Oil & Gas Association, Denver, July 12-14, 1994; *Selling Gas to Mexico and Crossborder Opportunities*, Gas Daily, Houston, November 16-17, 1993; DRI/McGraw-Hill annual energy conference, *Managing Uncertainty in Today's Energy Markets*, Houston, April 9-10, 1992; Houston Society of Financial Analysts (HSFA), Houston, April 1, 1992; IAEE 13th annual North American conference, *Energy Disruptions: Lessons, Opportunities, Prospects*, Chicago, November 18-20, 1991 (professional paper); Energy Decisions conference, *Moving Gas on Texas Intrastates*, Houston, September 17-18, 1991.

"Natural Gas in the 21st Century...Adjusting to the New Reality: State Regulation of Natural Gas Distribution," 15th annual North American Conference, USAEE/IAEE, *Energy and the Environment*, Seattle, October 11-13, 1993.

Panel moderator, "Potential Impact of Mexico on North American Gas Trade" with Luis Vazquez, Grupo Diavaz; Peter Milne, Peter Milne & Associates; and Wayne Rousch, Pan Alberta Gas; Canadian Energy Research Institute (CERI) 1993 North American natural gas conference, *Factors Shaping the Industry in the 1990s*, Calgary, Alberta, March 1-2, 1993.

Panel moderator, plenary session, "The North American Market for Natural Gas" with Jean Guy Fredette, vice chairman, National Energy Board-Canada; Juan Eibenschutz, chief advisor to the Minister, Mexico Ministry of Energy, Mines and State Industry (SEMIP); Thad Grundy, Akin, Gump, Hauer & Feld (former Deputy Assistant Secretary for International Affairs, U.S. DOE); 14th annual North American conference, USAEE/IAEE, *Planning for the Year 2000 and Beyond: Energy Markets and the Economy*, New Orleans, October 26-28, 1992.

Panel Moderator, "Will the Transformation of Gulf Coast Oil and Gas Continue?" with John Sauer, chief energy economist, Conoco; Wiley D. Carmichael, partner, Arthur Andersen & Co.; Bruce Stram, vice president, corporate planning, Enron; Federal Reserve Bank of Dallas-Houston Branch conference, *Houston's Economic Evolution -- From Energy to Diversity*, Houston, March 26, 1992.

Conference director, *Joint Association Mini-Summit on Energy, Petrochemicals and the Environment: Global Opportunities and Challenges*, with conference facilitator Madeleine Albright (U.S. Secretary of State), Houston, July 6, 1990.

"Regional Issues -- Building National Energy Policy from Fragmented Viewpoints," Arthur Andersen & Co. *Oil & Gas Symposium*, Houston, December 6, 1988.

"Impact of the Oil Price Decline on Retail Trade," 10th annual North American conference, USAEE/IAEE, *Competition, Profitability, and Policy in the Energy Industries*, Houston, October 30-November 2, 1988 and U.S. Minerals Management Service Regional Conference, New Orleans, October 27, 1988.

"An Analysis of Secondary Market Response in Energy Impact Situations" and panel chairman, Case Studies of Impact Assessment Methods, IAIA annual meeting, Philadelphia, May 29-30, 1986.